

both ends along an axis of said tube and given a potential than that is given said inner electrode.

4. (Amended) A fluorescent lamp comprising:

A2  
a glass tube having a fluorescent substance film formed at an inner surface and having sealing portions formed at both ends thereof so that a discharge medium is filled inside the glass tube; a first feeding lead wire penetrating one of said sealing portions of said glass tube airtight,

an inner electrode connected to an end of said feeding lead wire extended into said glass tube;

a second feeding lead wire one end of which is buried in the other sealing portion of said glass tube, and the other end is lead out of said glass tube; and

an outer electrode comprising a conductor spirally wound around an outer surface of said glass tube along an axis of said tube with an end of the conductor being electrically connected and mechanically fixed to said second feeding lead wire.

AB3  
10. (Amended) A fluorescent lamp according to claim 8, wherein the discharge medium is xenon-gas or a mixture of xenon-gas and at least one other rare gas.